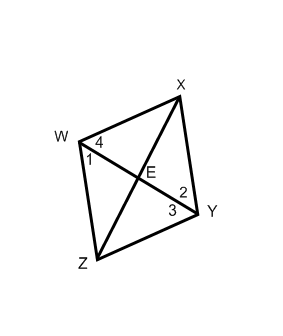
CP Geometry Name:



Chapter 6 Study Guide

**Complete each statement about quadrilateral WXYZ. Then name the property that justifies your answer.**

1. 

2. 

3. 

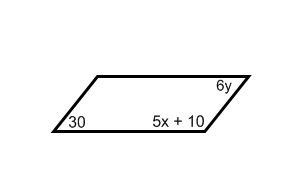
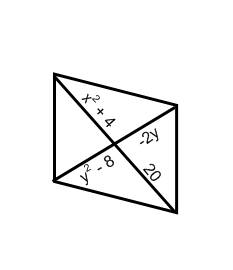
4. 

5. 

6. 

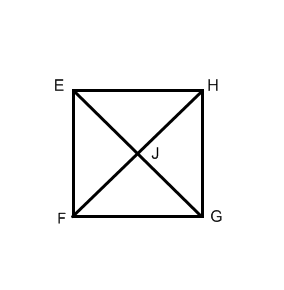
7. 

8.  and are supplementary.



**Find the values of x and y that ensure each quadrilateral is a parallelogram.**

9. 10.



**Quadrilateral EFGH is a rectangle. Find the value of x.**

11. 



12. HF = 5x – 4

EG = 6x – 10

13. JF = 8x + 4

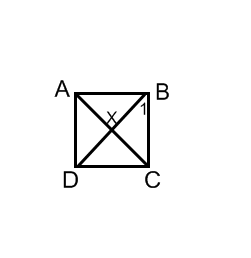
EG = 24x - 8

14. EF = x²

HG = 3x – 2

**Determine whether quadrilateral KLMN is a parallelogram, a rectangle, a rhombus, or a square for each set of vertices. List all that apply.**

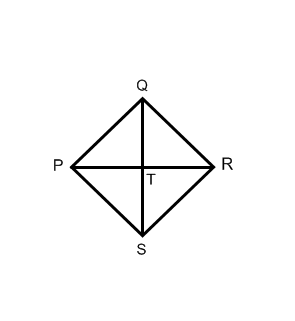
15. K(4, 8), L(0, 9), M(-2, 1), N(2, 0)



In square ABCD, find

16. m<AXB = 17. m<1 = 11x-10 18. AX= 5

X= DX =



AD =

**Use rhombus PQRS and the given information to find each value.**

19. If PT = 14, find PR.

20. If , find .

21. What is 

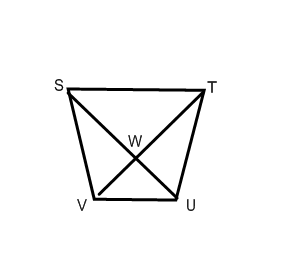
22. If RQ = 4x – 1 and

PQ = 20 + x, find the value of x.

23. Find the values of x and y if

PT = 4x – 8, QT = 6y – 9,

TR = 16 – 2x, and TS = 3y + 9



**STUV is an isosceles trapezoid with bases ST and UV. Use the figure and the given information to solve each problem.**

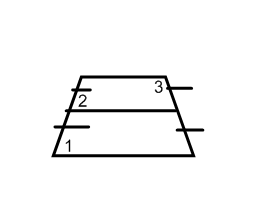
24. If find \_\_\_\_\_\_\_\_\_\_\_

25. If find \_\_\_\_\_\_\_\_\_\_\_\_

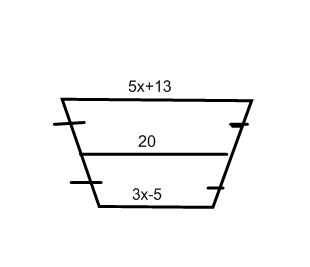
26. If find \_\_\_\_\_\_\_\_\_\_\_

27. What is the measure of the median

of STUV if ST = 23 and UV = 19?\_\_\_\_\_\_\_\_



28. If SU = 4x + 17 and TV = 7x + 2, find x \_\_\_\_\_\_\_\_\_



29.

m<1 = 65 30. x=?

m<2=

m<3 =